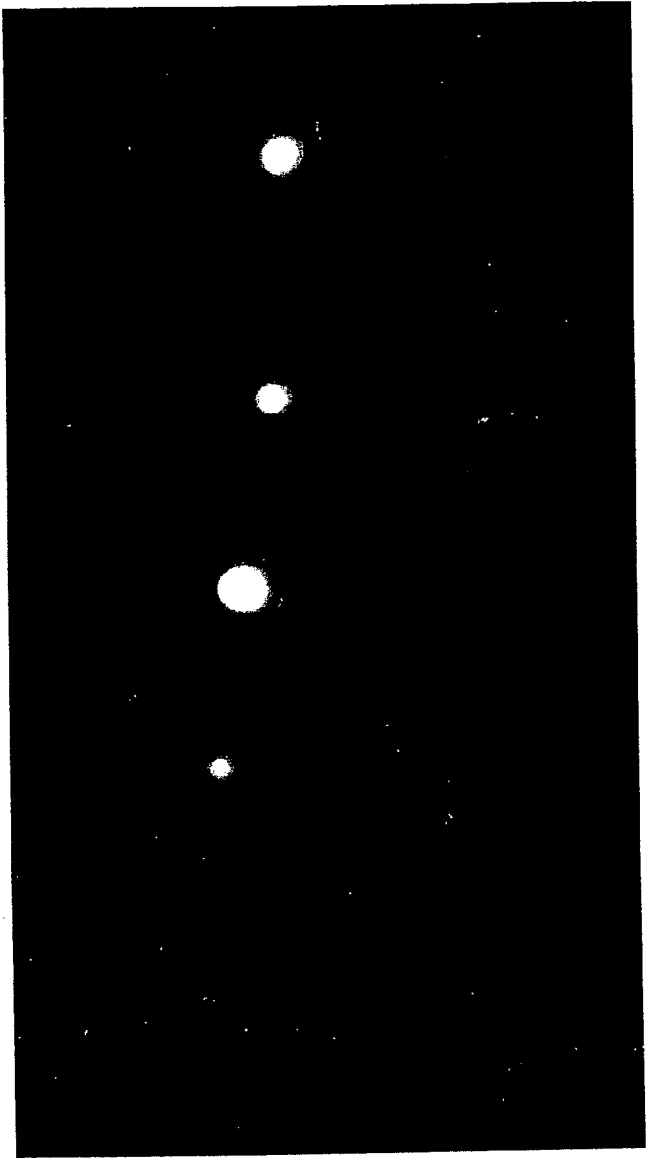


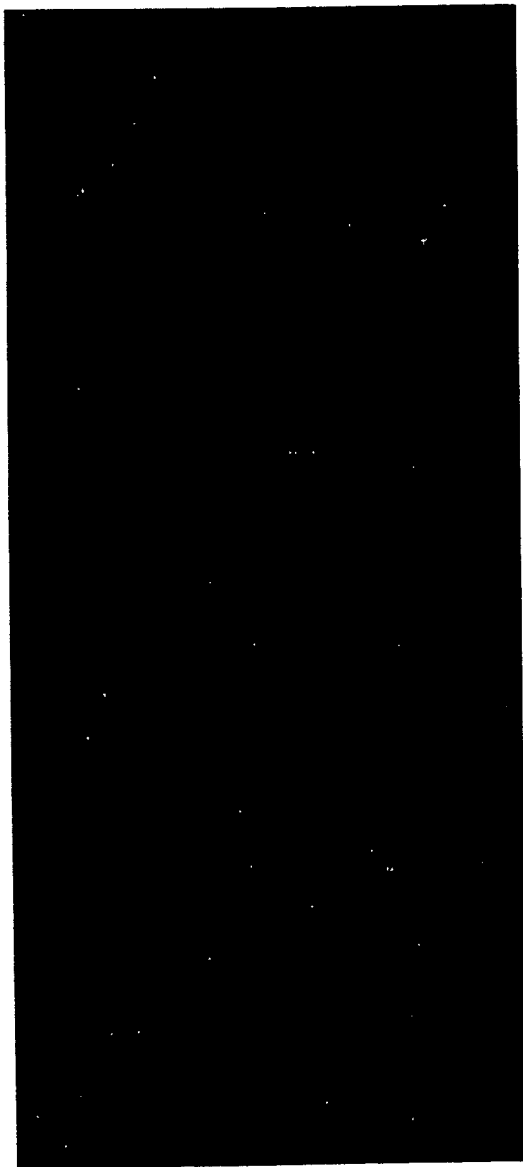
CYCLE 1 2 3 4 5 6 Black = Unlabeled Nucleotide
ADDED: A C G T A C Red = Fluorescent Nucleotide



Sample 1:	3'	<div>P'</div>	A	G	C	T	G	T	...	5'	[SEQ ID NO:34]
	5'	<div>P</div>	T	C							
Sample 2:	3'	<div>P'</div>	G	T	C	T	A	T	...	5'	[SEQ ID NO:36]
	5'	<div>P</div>	C	A							

FIG. 1

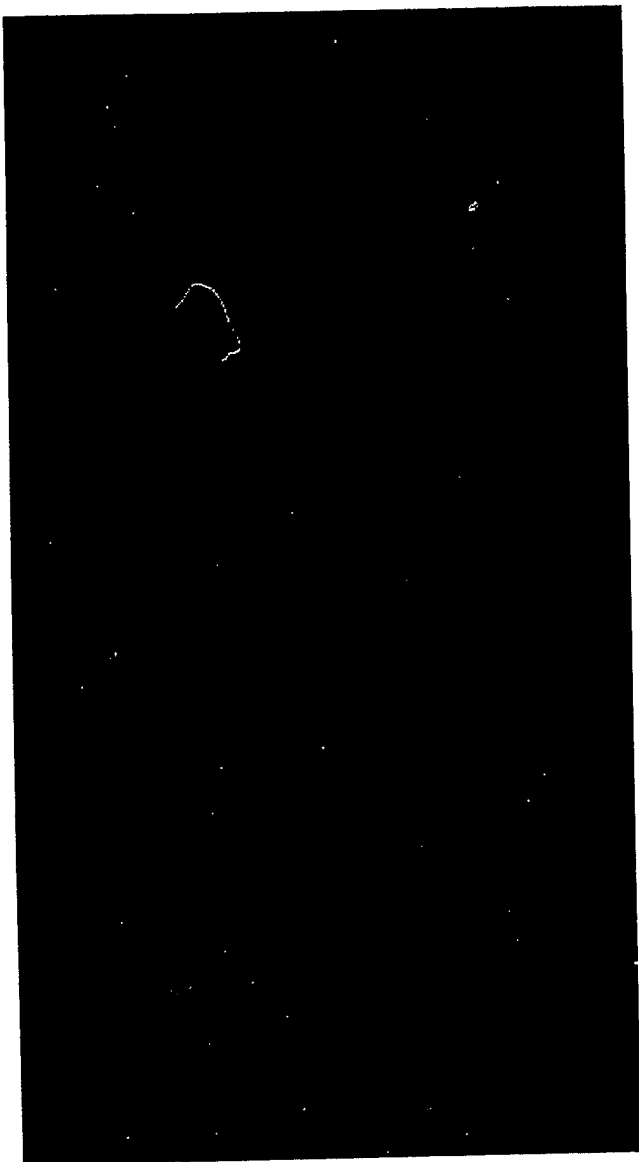
CYCLE	1	2	3	4	5	6	7	8
ADDED:	A	C	G	T	A	C	G	T



Sample 1:	3'	<div>P'</div>	A	G	C	T	G	T	... 5'	[SEQ ID NO:34]
	5'	<div>P</div>	T	C	G					
Sample 2:	3'	<div>P'</div>	G	T	C	T	A	T	... 5'	[SEQ ID NO:36]
	5'	<div>P</div>	C	A	G					

FIG. 2

CYCLE	1	2	3	4	5	6	7	8	9	10
ADDED:	A	C	G	T	A	C	G	T	A	C

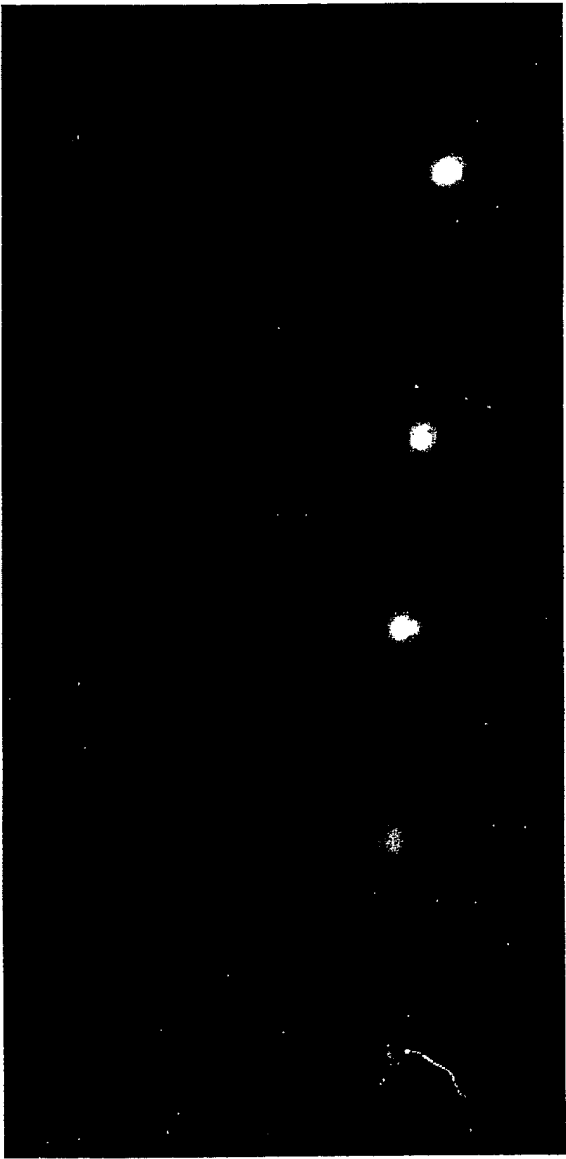


1 2

Sample 1:	3'	<div>P'</div>	A	G	C	T	G	T	...	5'	[SEQ ID NO:34]
	5'	<div>P</div>	T	C	G	A	C				[SEQ ID NO: 35]
Sample 2:	3'	<div>P'</div>	G	T	C	T	A	T	...	5'	[SEQ ID NO:36]
	5'	<div>P</div>	C	A	G	A					[SEQ ID NO:37; bases 1-4]

FIG. 3

CYCLE 1 2 3 4 5 6 7 8 9 10 11 12
ADDED: A C G T A C G T A C G T



Sample 1: 3'

P'

 A G C T G T ... 5' [SEQ ID NO:34]
 5'

P

 T C G A C [SEQ ID NO: 35]

Sample 2: 3'

P'

 G T C T A T ... 5' [SEQ ID NO:36]
 5'

P

 C A G A T [SEQ ID NO:37]

FIG. 4

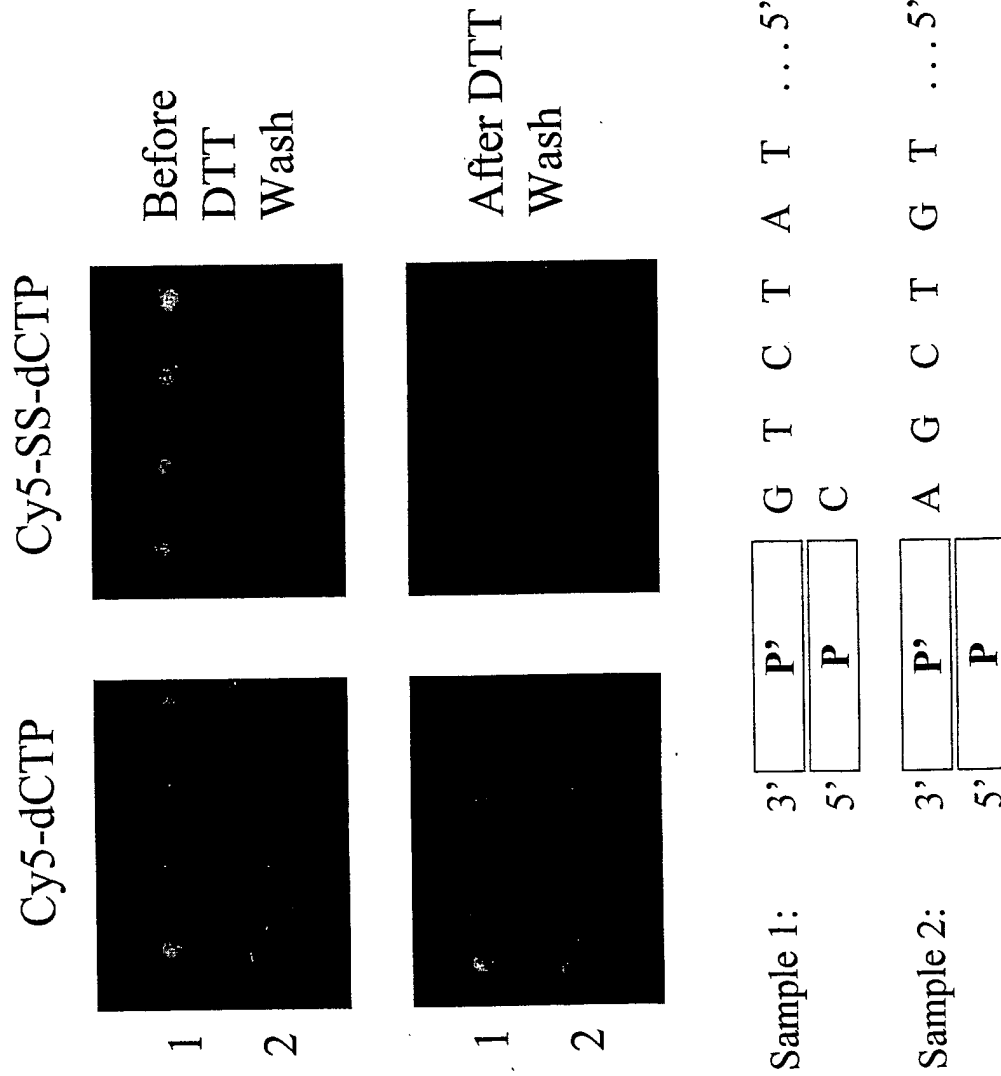


FIG. 6